

**Notice of Allowability**

Application No.

09/997,238

Examiner

Nguyen Ngo

Applicant(s)

LEE, KWANG IL

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/28/2005.
2. ☒ The allowed claim(s) is/are 1-21, 23-26 and 31.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Carl R. Wesolowski on December 29, 2005.

The application has been amended as follows:

2. -Claim 1, lines 3, 4, 5, 6, and 8, delete "type".
3. -Claim 3, lines 3, 4, 6, and 7, delete "type".
4. -Claim 4, line 2, delete "type".
5. -Claim 6, lines 3, 4, 5, and 8, delete "type".
6. -Claim 7, lines 4, 5, 11, 13, and 20, delete "type".
7. -Claim 8, line 2, delete "type".

8. -Claim 9, line 2, delete "type".
9. -Claim 10, line 5, delete "type".
10. -Claim 11, line 4, delete "type".
11. -Claim 12, lines 4, 5, 6, 9, 23, and 25, delete "type".
12. -Claim 13, line 3, delete "type".
13. -Claim 14, line 3, delete "type".
14. -Claim 15, lines 3, 4, 5, 7, 10, 12, and 18, delete "type".
15. -Claim 17, line 2, delete "type".
16. -Claim 18, lines 4, 5, 9, 15, 22, and 24, delete "type".
17. -Claim 19, line 3, delete "type".
18. -Claim 20, lines 2 and 3, delete "type".

19. -Claim 21, lines 3, 4, 5, 7, 9, and 11, delete "type".
20. -Claim 23, line 2, delete "type".
21. -Claim 25, line 1, delete "type".
22. -Claim 26, lines 3, 6, 8, 9, and 13 delete "type".
23. -Claim 31, lines 5, and 7, delete "type".

***Allowable Subject Matter***

24. Claims 1-21, 23-26 and 31 are allowed.

The following is an examiner's statement for reason for allowance:

25. Claim 1, 7, 12, 15, 18, 21, and 26 are allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose **a first converter configured to extract AAL2 common part sublayer packets by demultiplexing a received AAL2 ATM cell, and generate a first AAL5 type ATM cell in accordance with a first transforming information for the extracted AAL2 CPS**

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packet; and a second converter directly connected to the first converter and configured to generate an AAL2 CPS packet from the first AAL5 ATM cell in accordance with a second transforming information and generate an output AAL2 ATM cell by multiplexing the generated AAL2 CPS packet with other AAL2 CPS packets. It is noted that the closest prior art, Baldwin et al. (US 5953339) discloses an apparatus that switches AAL-2 packets from one ATM connection to another ATM connection, which is performed at the sub-ATM cell level. However, Baldwin fails to disclose or render obvious the above underlined limitations as claimed.

### ***Conclusion***

26. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen Ngo whose telephone number is (571) 272-8398. The examiner can normally be reached on Monday-Friday 7am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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*NN.*

**Nguyen Ngo**

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*Ricky Q. Ngo*  
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SUPERVISORY PATENT EXAMINER